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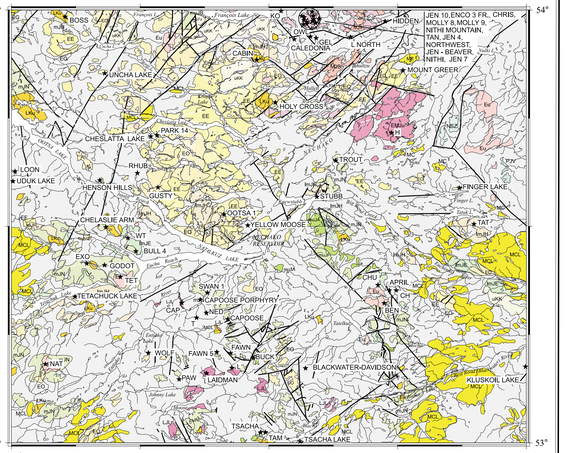
GEOLOGICAL SURVEY OF CANADA | COMMISSION GÉOLOGIQUE DU CANADA

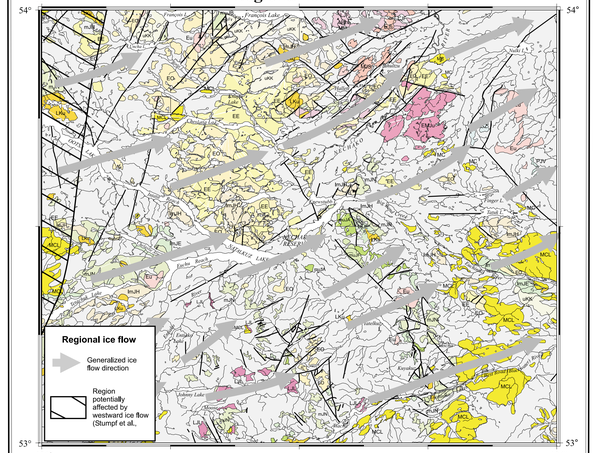
NATMAP
CARTNAT
Canada's National Geoscience Mapping Program
La Programme national de cartographie géoscientifique du Canada

Mineral occurrences



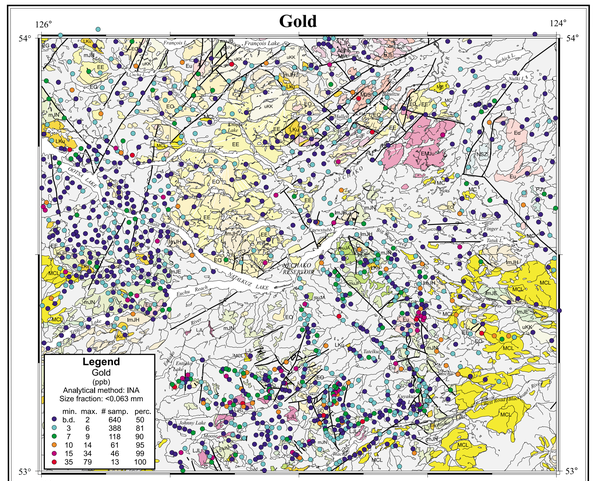
MAP 1

Regional ice flow



MAP 2

Gold



MAP 3

LEGEND

QUATERNARY SEDIMENTS

Undivided; unconsolidated glacial and non-glacial sediments

STRATIFIED ROCKS

MIOCENE
CHILCOTIN GROUP

MC — *Clinopyroxene-, plagioclase-, magnetite-subalkaline basalt flow*

CHESLATTA LAKE SUITE

MCL — *Vesicular basalt subvolcanic intrusive centres and flows; rare mudstone and sandstone*

EOCENE
NECHAKO PLATEAU GROUP

EE — *ENDAKO FORMATION: basaltic andesite and andesitic lava flow*

EG — *GOOSLY LAKE FORMATION: andesite flows and subvolcanic intrusions*

EO — *OOTSA LAKE FORMATION: rhyolitic and dacitic crystal-lapilli tuff, tuff breccia, and ash; minor associated rhyolitic and dacitic subvolcanic intrusions includes volcanic sandstone, grit, and conglomerate*

UPPER CRETACEOUS
KASALKA GROUP

uKK — *Andesitic lapilli tuff and tuff breccia and volcanogenic pebble and cobble conglomerate*

MIDDLE AND UPPER JURASSIC
BOWSER LAKE GROUP

muJB — *Heterolithic conglomerate, siltstone, sandstone, and minor black mudstone*

muJF — *FAWNIE VOLCANICS: basaltic flows, andesitic to rhyolitic tuff with minor feldspathic sandstone*

muJA — *ASHMAN FORMATION: conglomerate, sandstone, siltstone and minor mudstone*

LOWER AND MIDDLE JURASSIC
HAZELTON GROUP

lmJH — *Feldspar-phyric basaltic, andesitic and rhyolitic pyroclastic and flow rocks*

mJN — *NAGLICO FORMATION: basaltic and andesitic lava flows, volcanic breccia and conglomerate*

lmJE — *ENTIAKO AND NECHAKO FORMATION: undivided: greywacke, rhyolite tuff, conglomerate, sandstone, siltstone, mafic ash and lapilli tuff*

PERMIAN? TO JURASSIC
VANDERHOOF METAMORPHIC COMPLEX

PJV — *Quartz-feldspathic schist, amphibolite, biotite-amphibole schist, marble, local diorite dykes and sills*

INTRUSIVE ROCKS

TERTIARY – PROBABLY EOCENE

Eu — *Undifferentiated Tertiary intrusions dominantly consisting of gabbro, granodiorite, granite, and feldspar porphyry plugs*

LATE CRETACEOUS OR TERTIARY

LKu — *Undifferentiated diorite, granodiorite, granite, syenite, monzonite, and andesitic and dacitic plagioclase porphyry; occur as plutons, sills, and dykes*

LATE JURASSIC
FRANÇOIS LAKE PLUTONIC SUITE

LJF — *Undifferentiated granodiorite, monzonite, monzogranite, and monzodiorite*

LAIDMAN BATHOLITH

LJL — *Undifferentiated quartz monzonite, granodiorite, and quartz diorite*

MIDDLE TO LATE JURASSIC
STAG LAKE PLUTONIC SUITE

MJS — *Undifferentiated quartz monzodiorite, granodiorite, gabbro, and diorite*

EARLY TO MIDDLE JURASSIC

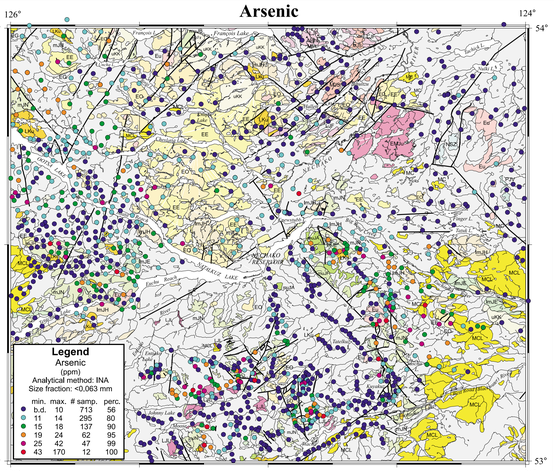
EMJu — *Undifferentiated plagioclase-augite porphyry and diorite; includes the Brook diorite complex (Triassic?)*

NSZ — *NULKI SHEAR ZONE ductively deformed Brooks diorite complex and Tertiary intrusive rocks*

Undifferentiated fault

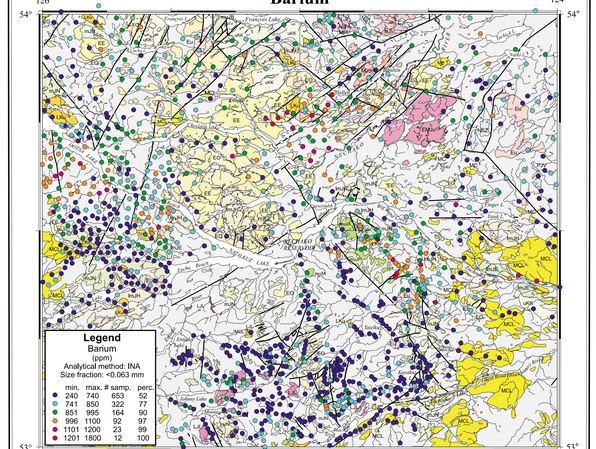
Bedrock geology simplified from:
Anderson, R.G., Struik, L.C., Diakow, L.J., Wetherup, S. and Quat, M.,
in press: Geology of the Nechako River map area (NTS 93 F) central British Columbia; Geological Survey of Canada, Open File XXXX, scale 1:250 000.

Arsenic



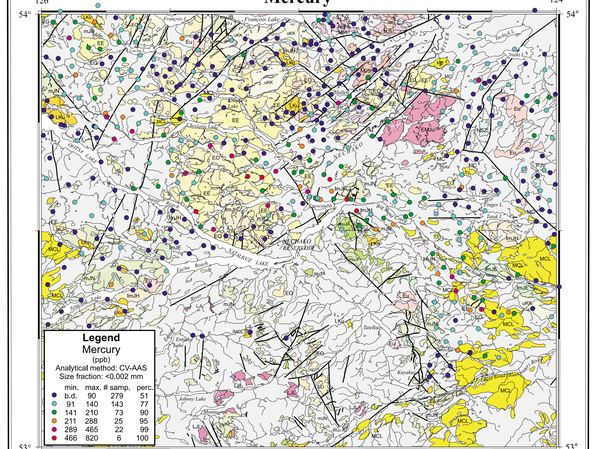
MAP 4

Barium



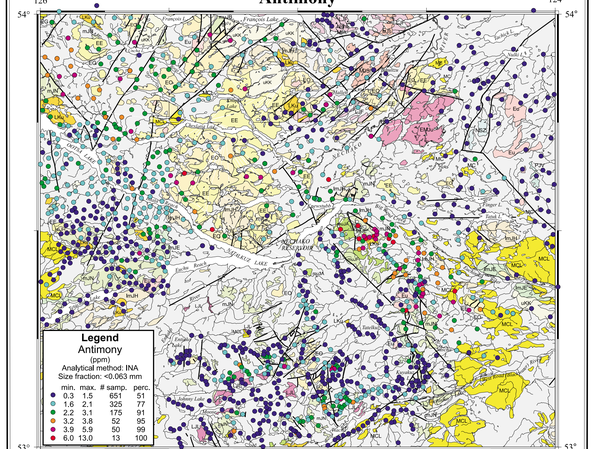
MAP 5

Mercury



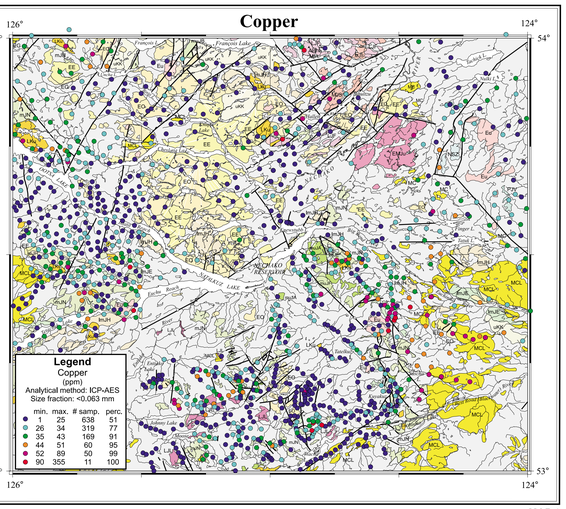
MAP 6

Antimony



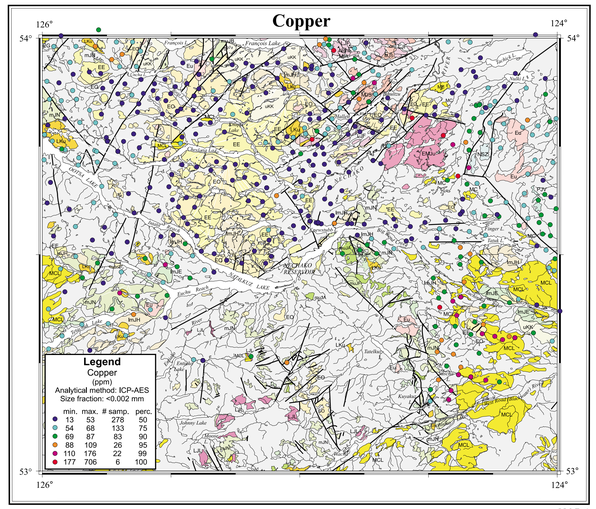
MAP 7

Copper



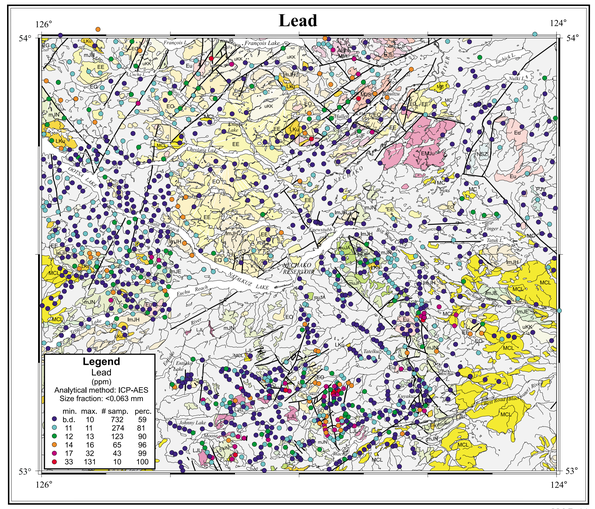
MAP 8

Copper



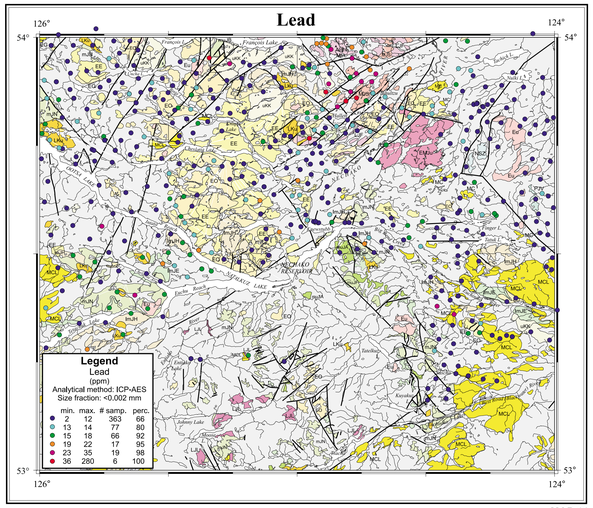
MAP 9

Lead



MAP 10

Lead



MAP 11

OPEN FILE 4166

GEOLOGY

REGIONAL TILL GEOCHEMISTRY
NECHAKO RIVER
BRITISH COLUMBIA

Scale 1:550 000/Échelle 1/550 000

kilometres 10 0 10 20 30 40 kilometres

Universal Transverse Mercator Projection
North American Datum 1983
© Her Majesty the Queen in Right of Canada, 2001

Projection transverse universelle de Mercator
Système de référence géodésique nord-américain, 1983
© Sa Majesté la Reine du chef du Canada, 2001

OPEN FILE
DOSSIER PUBLIC
4166
GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA
OTTAWA
2001

SHEET 1 OF 2
FEUILLET 1 OF 2

Sheet 1 of 2

Recommended citation:
Plouffe, A., Levson, V.M., and Mate, D.J.
2001: Regional till geochemistry of the Nechako River map area (NTS 93 F), British Columbia; Geological Survey of Canada, Open File 4166, scale 1:550 000.

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